

Use Attainability Analysis

for

WBID 3423 Trib. to Mineral Creek

Submitted by

Missouri Department of Natural Resources Staff

To

Missouri Department of Natural Resources
Water Protection Program

Date Received: July 18, 2005

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet A - Water Body Identification

7/1/05

Water Body Name (from USGS 7.5' quad):	Unnamed Trib. of Mineral Creek
8-digit HUC:	10300104
Missouri WBID #:	3423
County:	Johnson
Upstream Legal Description:	S 18 T 44 N R 25 W
Downstream Legal Description:	S 17 T 44 N R 25 W
Upstream Coordinates:	437564 4272894
Downstream Coordinates:	439382 4273041
Discharger Facility Name(s):	N/A
Discharger Permit Name(s):	
Number of Sites Evaluated:	3
Name of Surveyor and Telephone Number:	Greg Caldwell (573)-884-3494
Organization:	DNR
Position:	Soil Scientist III

I, the undersigned hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: Greg Caldwell Date: 6/7/05

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

(A separate sheet data sheet must be completed for each site)

Missouri WBID #: <u>3423</u>		Site Location Description:	
Site GPS Coordinates: <u>437564 4272894</u>		<u>Creek Bends 7th County Rd</u>	
Date & Time: <u>6/7/05 12:30pm</u>		Facility Name: <u>N/A</u>	
Personnel:		Permit Number:	
Current Weather Conditions: <u>Sunny</u>		Weather Conditions for Past 7 Days:	
Photo Ids: Upstream <u>3423 U1</u>	Downstream: <u>3423 D1</u>	Other:	

Uses Observed*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin Diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water Skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input type="checkbox"/> Trapping	<input type="checkbox"/> Fishing	<input checked="" type="checkbox"/> None of the above	<input type="checkbox"/> Other:

Describe: (include number of individuals, frequency of use, photo-documentation of evidence of recreational uses, etc)

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

<input type="checkbox"/> City/County parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input checked="" type="checkbox"/> No trespass sign	<input checked="" type="checkbox"/> Fence	<input checked="" type="checkbox"/> Steep slopes	<input type="checkbox"/> Other:	

Evidence of Human Use*:

<input type="checkbox"/> Roads	<input type="checkbox"/> Foot pats/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV/ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPEDS discharge	<input type="checkbox"/> Fishing Tackle
<input type="checkbox"/> Other:				

Site Locations Map(s): Attach a map of the entire segment with the assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

*Some of this information is not intended to directly influence a decision on any one particular recreation use analysis but may point to conditions that need further analysis or that effect another use

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

Page Two - WBID# 3423 :

Stream Morphology:

Upstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft.):	Length (ft.):	Avg. Depth (ft.):	Max Depth (ft.):
<input type="checkbox"/> Run	Width (ft.):	Length (ft.):	Avg. Depth (ft.):	Max Depth (ft.):
<input checked="" type="checkbox"/> Pool	Width (ft.): <u>15</u>	Length (ft.): <u>75</u>	Avg. Depth (ft.): <u>1</u>	Max Depth (ft.): <u>1.5</u>
<input type="checkbox"/> Flow	Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<u>Very slow</u>

Downstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft.):	Length (ft.):	Avg. Depth (ft.):	Max Depth (ft.):
<input type="checkbox"/> Run	Width (ft.):	Length (ft.):	Avg. Depth (ft.):	Max Depth (ft.):
<input checked="" type="checkbox"/> Pool	Width (ft.): <u>8</u>	Length (ft.): <u>20</u>	Avg. Depth (ft.): <u>1</u>	Max Depth (ft.): <u>.5</u>
<input type="checkbox"/> Flow	Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<u>Very slow</u>

Substrate*: (These values should add up to 100%)

% Cobble	<u>10</u>	% Gravel		% Sand	<u>10</u>	% Silt	<u>90</u>	% Mud/Clay		% Bedrock
----------	-----------	----------	--	--------	-----------	--------	-----------	------------	--	-----------

Aquatic Vegetation*: (note amount of vegetation or algal growth at assessment site)

<u>NONE</u>

Water Characteristics*: (Mark all that apply)

Odor:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other
Color:	<input type="checkbox"/> Clear	<input type="checkbox"/> Green	<input type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input checked="" type="checkbox"/> Other <u>Muddy</u>
Bottom deposit:	<input type="checkbox"/> Sludge	<input type="checkbox"/> Solids	<input type="checkbox"/> Fine sediments	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other
Surface deposit:	<input type="checkbox"/> Oil	<input type="checkbox"/> Scum	<input type="checkbox"/> Foam	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other

Comments: Please attach additional comments (including information from interviews) to this form.

*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use.

I, the undersigned hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: [Signature] Date: 6/7/05

WBID 3423-Downstream #1



WBID 3423-Upstream #1



Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

(A separate sheet data sheet must be completed for each site)

Missouri WBID #: 3423 #2	Site Location Description:	
Site GPS Coordinates: 437961 16 4272918	Bridge on County 201 Rd	
Date & Time: 6/7/05 12:40	Facility Name:	
Personnel:	Permit Number: N/A	
Current Weather Conditions: Sunny	Weather Conditions for Past 7 Days:	
Photo Ids: Upstream 3423 U2	Downstream: 3423 D2	Other:

Uses Observed*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin Diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water Skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input type="checkbox"/> Trapping	<input type="checkbox"/> Fishing	<input checked="" type="checkbox"/> None of the above	<input type="checkbox"/> Other:

Describe: (include number of individuals, frequency of use, photo-documentation of evidence of recreational uses, etc)

19 20

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

<input type="checkbox"/> City/County parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input type="checkbox"/> Fence	<input type="checkbox"/> Steep slopes	<input type="checkbox"/> Other:	

Evidence of Human Use*:

<input type="checkbox"/> Roads	<input type="checkbox"/> Foot pats/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV/ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPEDS discharge	<input type="checkbox"/> Fishing Tackle
<input type="checkbox"/> Other:				

Site Locations Map(s): Attach a map of the entire segment with the assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

*Some of this information is not intended to directly influence a decision on any one particular recreation use analysis but may point to conditions that need further analysis or that effect another use

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

Page Two - WBID# 3423:

#2

Stream Morphology:

Upstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft.):	Length (ft.):	Avg. Depth (ft.):	Max Depth (ft.):
<input type="checkbox"/> Run	Width (ft.):	Length (ft.):	Avg. Depth (ft.):	Max Depth (ft.):
<input checked="" type="checkbox"/> Pool	Width (ft.): <u>15</u>	Length (ft.): <u>75</u>	Avg. Depth (ft.): <u>1.5</u>	Max Depth (ft.): <u>2.5</u>
<input type="checkbox"/> Flow Present?	<input type="checkbox"/> Yes	<input type="checkbox"/> No		

Downstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft.):	Length (ft.):	Avg. Depth (ft.):	Max Depth (ft.):
<input type="checkbox"/> Run	Width (ft.):	Length (ft.):	Avg. Depth (ft.):	Max Depth (ft.):
<input checked="" type="checkbox"/> Pool	Width (ft.): <u>20</u>	Length (ft.): <u>125+</u>	Avg. Depth (ft.): <u>1.5</u>	Max Depth (ft.): <u>2.5</u>
<input type="checkbox"/> Flow Present?	<input type="checkbox"/> Yes	<input type="checkbox"/> No		

Substrate*: (These values should add up to 100%)

% Cobble	<u>10</u>	% Gravel	% Sand	% Silt	<u>90</u>	% Mud/Clay	% Bedrock
----------	-----------	----------	--------	--------	-----------	------------	-----------

Aquatic Vegetation*: (note amount of vegetation or algal growth at assessment site)

<u>1% algae on surface</u>

Water Characteristics*: (Mark all that apply)

Odor:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other
Color:	<input type="checkbox"/> Clear	<input type="checkbox"/> Green	<input type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input checked="" type="checkbox"/> Other <u>Murky</u>
Bottom deposit:	<input type="checkbox"/> Sludge	<input type="checkbox"/> Solids	<input type="checkbox"/> Fine sediments	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other
Surface deposit:	<input type="checkbox"/> Oil	<input type="checkbox"/> Scum	<input type="checkbox"/> Foam	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other

Comments: Please attach additional comments (including information from interviews) to this form.

*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use.

I, the undersigned hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: [Signature] Date: 6/7/05

WBID 3423-Downstream #2



WBID 3423-Upstream #2



Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

(A separate sheet data sheet must be completed for each site)

Missouri WBID #: 3423 #13	Site Location Description:	
Site GPS Coordinates: 438715 4273010	Bridge on County 251 Rd	
Date & Time: 6/7/05 12:55	Facility Name:	
Personnel: 10	Permit Number: N/A	
Current Weather Conditions:	Weather Conditions for Past 7 Days:	
Photo Ids: Upstream 3423 U3	Downstream: 3423 D3	Other:

Uses Observed*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin Diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water Skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input type="checkbox"/> Trapping	<input type="checkbox"/> Fishing	<input checked="" type="checkbox"/> None of the above	<input type="checkbox"/> Other:

Describe: (include number of individuals, frequency of use, photo-documentation of evidence of recreational uses, etc)

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

<input type="checkbox"/> City/County parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input checked="" type="checkbox"/> Fence	<input type="checkbox"/> Steep slopes	<input type="checkbox"/> Other:	

Evidence of Human Use*:

<input type="checkbox"/> Roads	<input type="checkbox"/> Foot pats/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV/ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPEDS discharge	<input type="checkbox"/> Fishing Tackle
<input type="checkbox"/> Other:				

Site Locations Map(s): Attach a map of the entire segment with the assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

*Some of this information is not intended to directly influence a decision on any one particular recreation use analysis but may point to conditions that need further analysis or that effect another use

Field Data Sheets for Recreational Use Stream Surveys

Page Two - WBID# 3422⁰⁰ : 73 Data Sheet B - Site Characterization

Stream Morphology:

Upstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft.):	Length (ft.):	Avg. Depth (ft.):	Max Depth (ft.):
<input type="checkbox"/> Run	Width (ft.):	Length (ft.):	Avg. Depth (ft.):	Max Depth (ft.):
<input checked="" type="checkbox"/> Pool	Width (ft.): <u>20</u>	Length (ft.): <u>60</u>	Avg. Depth (ft.): <u>.75</u>	Max Depth (ft.): <u>1.5</u>
<input type="checkbox"/> Flow Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			

Downstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft.):	Length (ft.):	Avg. Depth (ft.):	Max Depth (ft.):
<input type="checkbox"/> Run	Width (ft.):	Length (ft.):	Avg. Depth (ft.):	Max Depth (ft.):
<input type="checkbox"/> Pool	Width (ft.): <u>20</u>	Length (ft.): <u>100</u>	Avg. Depth (ft.): <u>.75</u>	Max Depth (ft.): <u>1.5</u>
<input type="checkbox"/> Flow Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			

Substrate*: (These values should add up to 100%)

<u>5</u> % Cobble	<u>35</u> % Gravel	% Sand	% Silt	<u>60</u> % Mud/Clay	% Bedrock
-------------------	--------------------	--------	--------	----------------------	-----------

Aquatic Vegetation*: (note amount of vegetation or algal growth at assessment site)

Grosses growing in shallow areas

Water Characteristics*: (Mark all that apply)

Odor:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other
Color:	<input type="checkbox"/> Clear	<input type="checkbox"/> Green	<input type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input checked="" type="checkbox"/> Other <u>Murken</u>
Bottom deposit:	<input type="checkbox"/> Sludge	<input type="checkbox"/> Solids	<input type="checkbox"/> Fine sediments	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other
Surface deposit:	<input type="checkbox"/> Oil	<input type="checkbox"/> Scum	<input type="checkbox"/> Foam	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other

Comments: Please attach additional comments (including information from interviews) to this form.

*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use.

I, the undersigned hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: [Signature] Date: 6/7/05

WBID 3423-Downstream #3



WBID 3423-Upsream #3





WBID 3423- No trespass

